

Patent Abstracts of Japan

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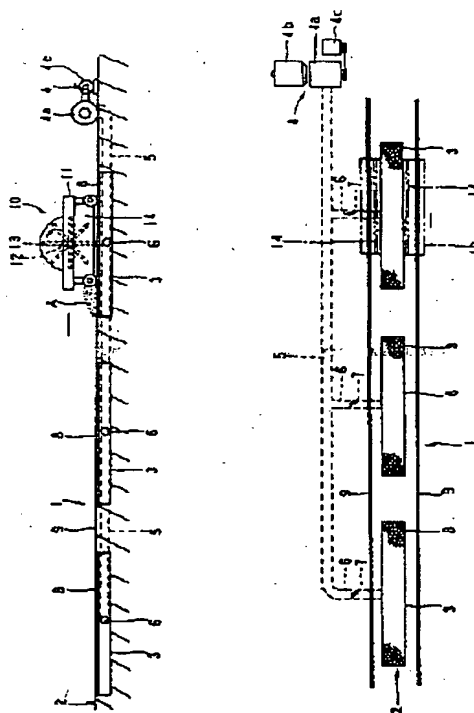
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TITLE : DRIER FOR CEREALS OR THE OTHERS



ABSTRACT : PURPOSE: To efficiently dry cereals, vegetables, fruits, marine products, grass, herb or other materials by dry hot blast arbitrarily injected upward from a plurality of hot blast flow chambers buried in a dry floor and traveling an agitating transfer vehicle.

CONSTITUTION: A drier 1 has a plurality of hot blast flow chambers 3 buried at an interval to inject dry hot blast supplied to a dry floor 2 upward. The chambers 3 are mounted at base ends on the ground. A dry hot blast generator 4 is connected to the end of a branch duct 6 branched from a hot blast flow duct 5 buried at the other end in the floor 2. A switching shutter 7 is rotatably installed inside the duct 6 to supply the blast into the chambers 3. The upper surfaces of the chambers 3 are covered with a porous wall plate 8. An agitating transfer vehicle 10 has a runner body 11, and a plurality of agitating transfer rods 13 radially inserted to a rotary shaft 12 rotatably laterally mounted at the body 11. A pair of preventive plates 14, 14 are stood at an interval slightly wider than the lateral length of the chamber 3 on the body 11, and cereals A deposited in a crest state on the chambers 3 are prevented from flowing out of the chambers 3 by the rotating agitating, mixing and transferring operations of the rods 13 while traveling.

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